GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-MAR-2010
Start Time of First Product	23:42:33 (07-Mar)
Stop Time of Last Product	23;35:06
Number of EGOI Products analysed	23
Number of corrupted products	--
Anomalies and/or Special Operations	No solar calibration measurements available due to the execution of an ERS-2 orbit manoeuvre; no data acquired between ca 00:00 and 07:00 UTC

1.2 - List of received products

Name	Date	Time
EGOI_100308CMEP6961.E2	08-MAR-2010	17:07:57.353
EGOI_100308KSEP0515.E2	07-MAR-2010	23:58:36.038
EGOI_100308KSEP0531.E2	08-MAR-2010	06:50:04.059
EGOI_100308KSEP0552.E2	08-MAR-2010	08:29:58.674
EGOI_100308KSEP0609.E2	08-MAR-2010	11:49:08.897
EGOI_100308KSEP0629.E2	08-MAR-2010	13:28:11.004
EGOI_100308KSEP0641.E2	08-MAR-2010	15:06:53.608
EGOI_100308KSEP0670.E2	08-MAR-2010	16:44:22.697
EGOI_100308KSEP0706.E2	08-MAR-2010	18:22:20.307

EGOI_100308KSEP0739.E2	08-MAR-2010	20:01:01.411
EGOI_100308KSEP0768.E2	08-MAR-2010	21:41:54.530
EGOI_100308KSEP0796.E2	08-MAR-2010	23:25:10.161
EGOI_100308MAEP9641.E2	08-MAR-2010	21:33:51.487
EGOI_100308MIEP5469.E2	08-MAR-2010	15:24:26.718
EGOI_100308MIEP5496.E2	08-MAR-2010	17:04:15.333
EGOI_100308MMEP5261.E2	08-MAR-2010	10:57:37.080
EGOI_100308MMEP5275.E2	08-MAR-2010	20:54:55.744
EGOI_100308MSEP7523.E2	07-MAR-2010	23:42:32.940
EGOI_100308MSEP7548.E2	08-MAR-2010	10:24:17.380
EGOI_100308MSEP7577.E2	08-MAR-2010	12:02:07.475
EGOI_100308MSEP7590.E2	08-MAR-2010	13:44:50.107
EGOI_100308MSEP7607.E2	08-MAR-2010	21:34:42.490
EGOI_100308MSEP7639.E2	08-MAR-2010	23:11:02.579

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77797	07-MAR-2010	23:57:17.099	23:58:36.038	78.939000
KS	77801	08-MAR-2010	06:48:37.305	06:50:04.059	86.754000
KS	77802	08-MAR-2010	08:27:59.478	08:29:58.673	119.19500
KS	77804	08-MAR-2010	11:47:06.733	11:49:08.896	122.16300
KS	77805	08-MAR-2010	13:26:10.316	13:28:11.004	120.68800
KS	77806	08-MAR-2010	15:04:40.377	15:06:53.608	133.23100
KS	77807	08-MAR-2010	16:42:16.753	16:44:22.697	125.94400
KS	77808	08-MAR-2010	18:20:12.468	18:22:20.307	127.83900
KS	77809	08-MAR-2010	19:59:19.787	20:01:01.411	101.62400
KS	77810	08-MAR-2010	21:40:17.747	21:41:54.530	96.783000
KS	77811	08-MAR-2010	23:23:52.105	23:25:10.161	78.056000
MS	77803	08-MAR-2010	10:22:09.935	10:24:17.380	127.44500
MS	77804	08-MAR-2010	12:00:02.600	12:02:07.475	124.87500
MS	77811	08-MAR-2010	23:09:13.939	23:11:02.579	108.64000
MA	77810	08-MAR-2010	21:31:52.263	21:33:51.486	119.22300
MI	77806	08-MAR-2010	15:22:32.309	15:24:26.717	114.40800
MI	77807	08-MAR-2010	17:02:20.786	17:04:15.333	114.54700
MM	77803	08-MAR-2010	10:56:35.503	10:57:37.079	61.576000
MM	77809	08-MAR-2010	20:53:28.612	20:54:55.743	87.131000
CM	77807	08-MAR-2010	17:04:40.589	17:07:57.353	196.76400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77797	08-MAR-2010	00:34:57.871	00:49:22.125	864.25400
MM	77797	08-MAR-2010	00:46:46.428	00:57:31.111	644.68300
BE	77798	08-MAR-2010	01:54:15.452	02:05:40.706	685.25400
MM	77798	08-MAR-2010	02:29:17.534	02:37:52.828	515.29400
GS	77798	08-MAR-2010	01:29:07.977	01:40:53.429	705.45200
SG	77798	08-MAR-2010	02:07:37.320	02:15:53.255	495.93500
BE	77799	08-MAR-2010	03:33:02.941	03:46:05.896	782.95500
MM	77799	08-MAR-2010	04:12:22.874	04:18:44.838	381.96400
MI	77799	08-MAR-2010	03:02:18.190	03:15:18.953	780.76300
GS	77799	08-MAR-2010	03:06:58.008	03:20:50.593	832.58500
SG	77799	08-MAR-2010	03:43:59.165	03:57:41.760	822.59500
CM	77799	08-MAR-2010	03:02:46.602	03:12:16.325	569.72300
CM	77799	08-MAR-2010	04:40:45.969	04:52:20.369	694.40000
MM	77800	08-MAR-2010	05:54:49.149	06:00:46.354	357.20500
MI	77800	08-MAR-2010	04:43:19.247	04:53:13.717	594.47000
MM	77801	08-MAR-2010	07:35:57.358	07:43:49.140	471.78200
JO	77801	08-MAR-2010	07:14:27.025	07:27:36.795	789.77000
MM	77802	08-MAR-2010	09:16:25.384	09:26:35.263	609.87900
MA	77802	08-MAR-2010	08:36:49.282	08:49:02.230	732.94800
JO	77802	08-MAR-2010	08:52:56.150	09:07:17.219	861.06900
KS	77803	08-MAR-2010	10:07:37.142	10:21:36.520	839.37800
MA	77803	08-MAR-2010	10:15:42.576	10:28:11.640	749.06400
MM	77804	08-MAR-2010	12:36:32.165	12:49:07.195	755.03000
HO	77805	08-MAR-2010	14:25:15.846	14:37:34.584	738.73800
MM	77805	08-MAR-2010	14:16:14.343	14:28:57.861	763.51800
SG	77805	08-MAR-2010	14:40:14.107	14:52:39.947	745.84000
BE	77806	08-MAR-2010	14:50:02.058	15:02:44.922	762.86400
MM	77806	08-MAR-2010	15:55:40.302	16:08:15.653	755.35100
GS	77806	08-MAR-2010	15:16:26.449	15:29:50.876	804.42700
SG	77806	08-MAR-2010	16:19:34.253	16:31:32.445	718.19200
CM	77806	08-MAR-2010	15:26:21.969	15:35:56.683	574.71400
MM	77807	08-MAR-2010	17:34:52.042	17:47:23.837	751.79500
GS	77807	08-MAR-2010	16:55:57.760	17:08:52.619	774.85900

MM	77808	08-MAR-2010	19:14:01.083	19:26:40.144	759.06100
JO	77808	08-MAR-2010	19:34:30.296	19:46:40.984	730.68800
MA	77809	08-MAR-2010	19:52:34.105	20:05:33.335	779.23000
JO	77809	08-MAR-2010	21:12:43.222	21:27:24.102	880.88000
HO	77810	08-MAR-2010	22:26:09.190	22:38:14.780	725.59000
MM	77810	08-MAR-2010	22:33:37.766	22:46:00.197	742.43100

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1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

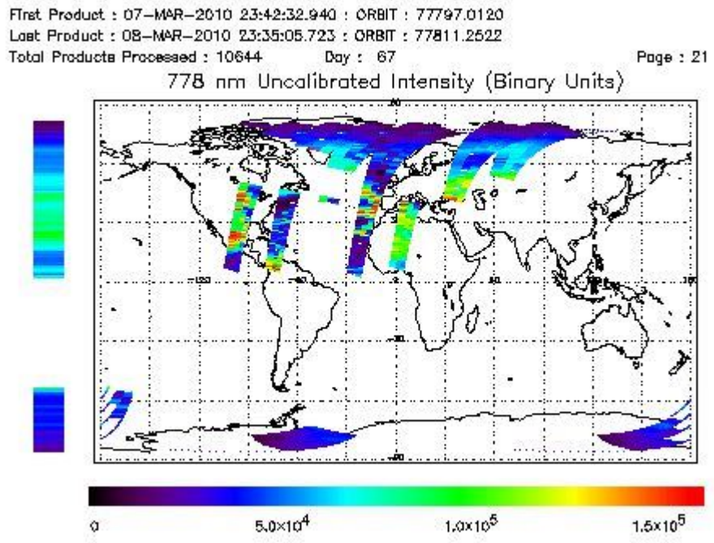
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK

Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

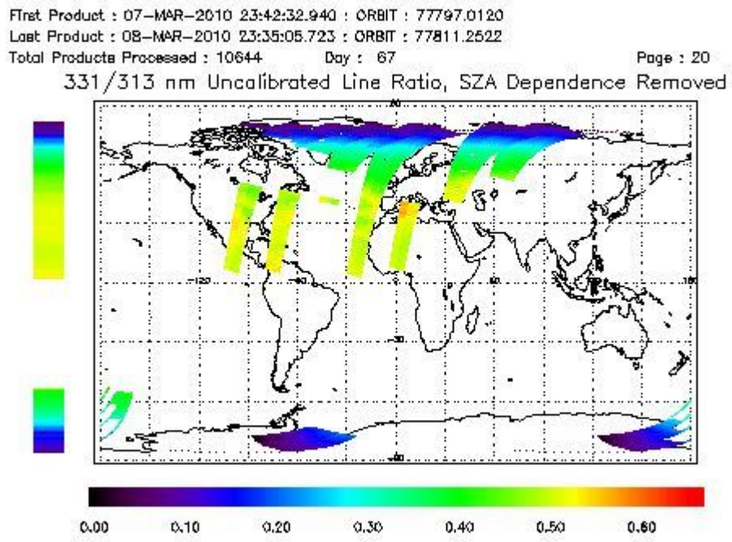
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

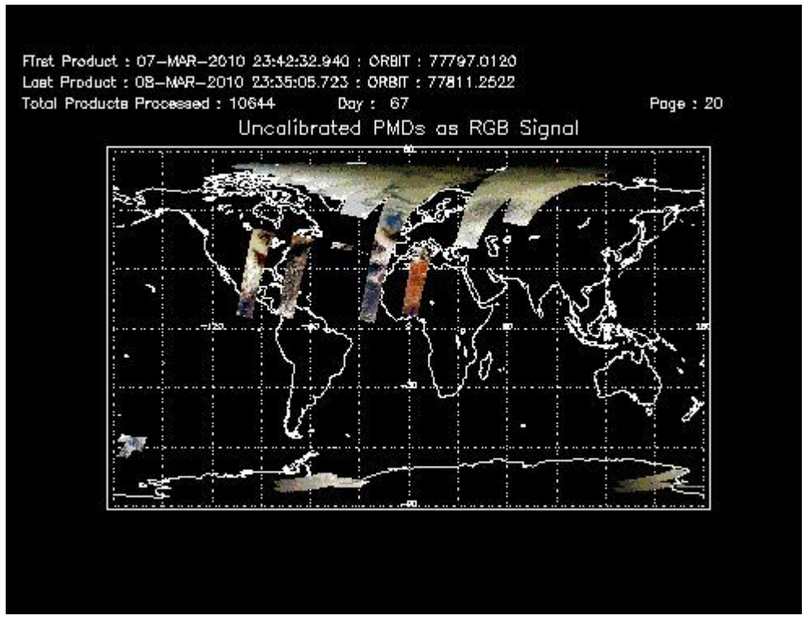
NEAR IR Intensity



Ozone Line Ratio



PMD Image (Earthshine Radiance)



3 - Instrument Calibration

3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
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3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any)(V)	Lamp Failure N. (if any)
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(1)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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(1) The Solar/lamp calibration is carried out routinely or after an instrument switch-off or a power cycle (performed to reset the instrument when abnormal values are observed); in the latter cases the coolers are off and the temperature refers to the warm detectors